

Title (en)

ALKYL ACRYLATE COPOLYMER MODIFIED ORIENTED POLYPROPYLENE FILMS, TAPES, FIBERS AND NONWOVEN TEXTILES

Title (de)

MIT ÄTHYLEN-ALKYLACRYLAT-COPOLYMER MODIFIZIERTE ORIENTIERTE POLYPROPYLEN-FOLIEN, BÄNDER, FASERN UND NICHT-GEWEBTE TEXTILIEN

Title (fr)

FILMS, RUBANS FIBRES ET NON TISSES DE POLYPROPYLENE ORIENTE MODIFIE PAR DES COPOLYMERES D'ACRYLATE D'ALKYLE

Publication

**EP 1601713 A2 20051207 (EN)**

Application

**EP 04716914 A 20040303**

Priority

- US 2004006465 W 20040303
- US 45308503 P 20030307
- US 49326003 P 20030807
- US 78038504 A 20040217

Abstract (en)

[origin: WO2004081087A2] Disclosed are films, tapes, slit film fibers and melt-spun fibers comprising (a) at least one polypropylene polymer selected from the group consisting of polypropylene homopolymers; random copolymers or block copolymers of polypropylene and ethylene; and random terpolymers or block terpolymers of polypropylene, ethylene and one other olefin; and (b) from 1 to 30 weight % of at least one ethylene/alkyl acrylate copolymer. The tapes can be stretched (i.e. uniaxially oriented) to provide monofilament slit film fibers. Also disclosed are processes for preparing such fibers. Also disclosed are nonwoven textiles prepared from the melt-spun fibers.

IPC 1-7

**C08J 5/18**; **C08L 23/10**; **D01F 6/46**

IPC 8 full level

**C08J 5/18** (2006.01); **C08L 23/10** (2006.01); **D01D 5/42** (2006.01); **D01F 6/46** (2006.01); **D04H 1/4291** (2012.01); **D04H 3/16** (2006.01); **C08J 3/22** (2006.01); **C08L 23/08** (2006.01)

CPC (source: EP US)

**C08J 3/226** (2013.01 - EP US); **C08J 5/18** (2013.01 - EP US); **C08L 23/10** (2013.01 - EP US); **D01D 5/426** (2013.01 - EP US); **D01F 6/46** (2013.01 - EP US); **C08J 2323/10** (2013.01 - EP US); **C08J 2423/00** (2013.01 - EP US); **C08L 23/0869** (2013.01 - EP US)

Citation (search report)

See references of WO 2004081087A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 2004081087 A2 20040923**; **WO 2004081087 A3 20041111**; **WO 2004081087 A8 20041216**; AR 044537 A1 20050921; EP 1601713 A2 20051207; JP 2006522207 A 20060928; TW 200500514 A 20050101; US 2004229988 A1 20041118

DOCDB simple family (application)

**US 2004006465 W 20040303**; AR P040100685 A 20040304; EP 04716914 A 20040303; JP 2006509033 A 20040303; TW 93105893 A 20040305; US 78038504 A 20040217